

## Author index

Volume 53 (1995)

Abate-Shen, C., see Iler, N. 53, 87

Ahmad, I., P. Zagouras, S. Artavanis-Tsakonas, Involvement of Notch-1 in mammalian retinal neurogenesis: association of Notch-1 activity with both immature and terminally differentiated cells 53, 73

Ahnert-Hilger, G., see Strübing, C. 53, 275 Altmeyer, W., see Wismar, J. 53, 141 Ariza-McNaughton, L., see Morrison, A. 53, 47 Artavanis-Tsakonas, S., see Ahmad, I. 53, 73

Bally-Cuif, L., B. Cholley, M. Wassef, Involvement of Wnt-1 in the formation of the mes/metencephalic boundary 53, 23

Baonza, A., see de Celis, J.F. 53, 209

Bellard, F., see Jagla, K. 53, 345

Bellard, M., see Jagla, K. 53, 345

Bontoux, M., see Monsoro-Burq, A.-H. 53, 157

Bornemann, D., see Simon, J. 53, 197

Bossing, T., see Broadus, J. 53, 393

Broadus, J., J.B. Skeath, E.P. Spana, T. Bossing, G. Technau, C.Q. Doe, New neuroblast markers and the origin of the aCC/pCC neurons in the *Drosophila* central nervous system 53, 393

Capco, D.G., see Schwarz, S.M. 53, 305

Chaudhuri, C., see Morrison, A. 53, 47

Cholley, B., see Bally-Cuif, L. 53, 23

Cohen, S.M., see Wimmer, E.A. 53, 235

Coltey, P., see Couly, G. 53, 97 Conlon, R.A., see Luo, J. 53, 61

Couly, G., P. Coltey, A. Eichmann, N.M. Le Douarin, The angiogenic potentials of the cephalic mesoderm and the origin of brain and

head blood vessels 53, 97

de Celis, J.F., A. Baonza, A. García-Bellido, Behavior of extramacrochaetae mutant cells in the morphogenesis of the *Drosophila wing* 53, 209

Dehni, G., Y. Liu, J. Husain, S. Stifani, TLE expression correlates with mouse embryonic segmentation, neurogenesis, and epithelial determination 53, 369

den Blaauwen, J.L., see Reijnen, M.J. 53, 35

Desplan, C., see Wimmer, E.A. 53, 235

Doe, C.Q., see Broadus, J. 53, 393

Dollé, P., see Jagla, K. 53, 345

Doniach, T., T.J. Musci, Induction of anteroposterior neural pattern in *Xenopus*: evidence for a quantitative mechanism 53, 403

Dretzen, G., see Jagla, K. 53, 345

Echelard, Y., see Iler, N. 53, 87

Eichmann, A., see Couly, G. 53, 97

Erezyilmaz, D.F., see Kelly, G.M. 53, 261

Fedtsova, N.G., E.E. Turner, Brn-3.0 expression identifies early postmitotic CNS neurons and sensory neural precursors 53, 291 Fitzpatrick, K.A., S.M. Gorski, Z. Ursuliak, J.V. Price, Expression of protein tyrosine phosphatase genes during oogenesis in *Drosophila melanogaster* 53, 171

Gallicano, G.I., see Schwarz, S.M. 53, 305

García-Bellido, A., see de Celis, J.F. 53, 209

Gateff, E., see Wismar, J. 53, 141

Geißen, M., see Wismar, J. 53, 141

Giguère, V., see Luo, J. 53, 61

Gorski, S.M., see Fitzpatrick, K.A. 53, 171

Habtemichael, N., see Wismar, J. 53, 141

Hamer, K.M., see Reijnen, M.J. 53, 35

Hescheler, J., see Strübing, C. 53, 275

Hogan, B.L.M., see Wall, N.A. 53, 383

Husain, J., see Dehni, G. 53, 369

Iler, N., D.H. Rowitch, Y. Echelard, A.P. McMahon, C. Abate-Shen, A single homeodomain binding site restricts spatial expression of Wnt-1 in the developing brain 53, 87

Jäckle, H., see Wimmer, E.A. 53, 235

Jagla, K., P. Dollé, M.-G. Mattei, T. Jagla, B. Schuhbaur, G. Dretzen,
F. Bellard, M. Bellard, Mouse Lbx1 and human LBX1 define a novel mammalian homeobox gene family related to the Drosophila lady bird genes 53, 345

Jagla, T., see Jagla, K. 53, 345

Kelly, G.M., D.F. Erezyilmaz, R.T. Moon, Induction of a secondary embryonic axis in zebrafish occurs following the overexpression of  $\beta$ -catenin 53, 261

Koga, M., Y. Ohshima, *Drosophila* MAP kinase kinase suppresses the vulvaless phenotype of *lin-3*, *let-23* and *lin-45* mutations in *Caenorhabditis elegans* 53, 15

Kornberg, T.B., see Kuhn, D.T. 53, 3

Kornberg, T.B., see Saenz-Robles, M.T. 53, 185

Krumlauf, R., see Morrison, A. 53, 47

Kuhn, D.T., G. Turenchalk, J.A. Mack, G. Packert, T.B. Kornberg, Analysis of the genes involved in organizing the tail segments of the *Drosophila melanogaster* embryo 53, 3

Kuroda, M.I., see Rastelli, L. 53, 223

Kuroiwa, A., see Morrison, A. 53, 47

LaJeunesse, D., A. Shearn, Trans-regulation of thoracic homeotic selector genes of the Antennapedia and bithorax complexes by the trithorax group genes: absent, small, and homeotic discs 1 and 2 53, 123

Lambrechts, C., see Reijnen, M.J. 53, 35

LardelliM., see Williams, R. 53, 357

Le Douarin, N.M., see Couly, G. 53, 97

Le Douarin, N.M., see Monsoro-Burq, A.-H. 53, 157

Lehner, C.F., see Sigrist, S. 53, 247

Lendahl, U., see Williams, R. 53, 357

Liu, Y., see Dehni, G. 53, 369

Löffler, T., see Wismar, J. 53, 141

Lunde, K., see Simon, J. 53, 197

Luo, J., P. Pasceri, R.A. Conlon, J. Rossant, V. Giguère, Mice lacking all isoforms of retinoic acid receptor  $\beta$  develop normally and are susceptible to the teratogenic effects of retinoic acid 53, 61

Mack, J.A., see Kuhn, D.T. 53, 3

Maschat, F., see Saenz-Robles, M.T. 53, 185

Mason, I., see Robertson, K. 53, 329

Mattei, M.-G., see Jagla, K. 53, 345

Mazo, A., see Tillib, S. 53, 113

McGaughey, R.W., see Schwarz, S.M. 53, 305

McGinnis, W., see Vanario-Alonso, C.E. 53, 323

McMahon, A.P., see Iler, N. 53, 87 Mizrokhi, L., see Tillib, S. 53, 113

Monsoro-Burq, A.-H., M. Bontoux, C. Vincent, N.M. Le Douarin, The developmental relationships of the neural tube and the notochord: short and long term effects of the notochord on the dorsal spinal cord 53, 157

Moon, R.F., see Kelly, G.M. 53, 261

Morrison, A., C. Chaudhuri, L. Ariza-McNaughton, I. Muchamore, A. Kuroiwa, R. Krumlauf, Comparative analysis of chicken Hoxb-4 regulation in transgenic mice 53, 47

Muchamore, I., see Morrison, A. 53, 47

Musci, T.J., see Doniach, T. 53, 403

O'Hara, E., see Vanario-Alonso, C.E. 53, 323

Ohshima, Y., see Koga, M. 53, 15

Otte, A.P., see Reijnen, M.J. 53, 35

Packert, G., see Kuhn, D.T. 53, 3

Pasceri, P., see Luo, J. 53, 61

Pick, L., see Vanario-Alonso, C.E. 53, 323

Price, J.V., see Fitzpatrick, K.A. 53, 171

Rastelli, L., R. Richman, M.I. Kuroda, The dosage compensation regulators MLE, MSL-1 and MSL-2 are interdependent since early embryogenesis in Drosophila 53, 223

Reijnen, M.J., K.M. Hamer, J.L. den Blaauwen, C. Lambrechts, I. Schoneveld, R. van Driel, A.P. Otte, Polycomb and bmi-1 homologs are expressed in overlapping patterns in Xenopus embryos and are able to interact with each other 53, 35

Richman, R., see Rastelli, L. 53, 223

Ried, G., see Sigrist, S. 53, 247

Robertson, K., I. Mason, Expression of ret in the chicken embryo suggests roles in regionalisation of the vagal neural tube and somites and in development of multiple neural crest and placodal lineages 53, 329

Rossant, J., see Luo, J. 53, 61

Rowitch, D.H., see Iler, N. 53, 87

Saenz-Robles, M.T., F. Maschat, T. Tabata, M.P. Scott, T.B. Kornberg, Selection and characterization of sequences with high affinity for the engrailed protein of Drosophila 53, 185

Sass, H., see Wismar, J. 53, 141

Schoneveld, I., see Reijnen, M.J. 53, 35

Schuhbaur, B., see Jagla, K. 53, 345

Schwartz, C., see Simon, J. 53, 197

Schwarz, S.M., G.I. Gallicano, R.W. McGaughey, D.G. Capco, A role for intermediate filaments in the establishment of the primitive epithelia during mammalian embryogenesis 53, 305

Scott, M.P., see Saenz-Robles, M.T. 53, 185

Sedkov, Y., see Tillib, S. 53, 113

Shan, J., see Strübing, C. 53, 275

Shearn, A., see LaJeunesse, D. 53, 123

Sigrist, S., G. Ried, C.F. Lehner, Dmcdc2 kinase is required for both meiotic divisions during Drosophila spermatogenesis and is activated by the Twine/cdc25 phosphatase 53, 247

Simon, J., D. Bornemann, K. Lunde, C. Schwartz, The extra sex combs product contains WD40 repeats and its time of action implies a role distinct from other Polycomb group products 53, 197

Simpson-Brose, M., see Wimmer, E.A. 53, 235

Skeath, J.B., see Broadus, J. 53, 393

Spana, E.P., see Broadus, J. 53, 393

Stifani, S., see Dehni, G. 53, 369

Strübing, C., G. Ahnert-Hilger, J. Shan, B. Wiedenmann, J. Hescheler, A.M. Wobus, Differentiation of pluripotent embryonic stem cells into the neuronal lineage in vitro gives rise to mature inhibitory and excitatory neurons 53, 275

Tabata, T., see Saenz-Robles, M.T. 53, 185

Technau, G., see Broadus, J. 53, 393

Tillib, S., Y. Sedkov, L. Mizrokhi, A. Mazo, Conservation of structure and expression of the trithorax gene between Drosophila virilis and Drosophila melanogaster 53, 113

Turenchalk, G., see Kuhn, D.T. 53, 3

Turner, E.E., see Fedtsova, N.G. 53, 291

Ursuliak, Z., see Fitzpatrick, K.A. 53, 171

van Driel, R., see Reijnen, M.J. 53, 35

Vanario-Alonso, C.E., E. O'Hara, W. McGinnis, L. Pick, Targeted ribozymes reveal a conserved function of the Drosophila paired gene in sensory organ development 53, 323

Vef, O., see Wismar, J. 53, 141

Vincent, C., see Monsoro-Burq, A.-H. 53, 157

Wall, N.A., B.L.M. Hogan, Expression of bone morphogenetic protein-4 (BMP-4), bone morphogenetic protein-7 (BMP-7), fibroblast growth factor-8 (FGF-8) and sonic hedgehog (SHH) during branchial arch development in the chick 53, 383

Wassef, M., see Bally-Cuif, L. 53, 23

Wiedenmann, B., see Strübing, C. 53, 275

Williams, R., U. Lendahl, M. Lardelli, Complementary and combinatorial patterns of Notch gene family expression during early mouse development 53, 357

Wimmer, E.A., M. Simpson-Brose, S.M. Cohen, C. Desplan, H. Jäckle, Trans- and cis-acting requirements for blastodermal expression of the head gap gene buttonhead 53, 235

Wismar, J., T. Löffler, N. Habtemichael, O. Vef, M. Geißen, R. Zirwes, W. Altmeyer, H. Sass, E. Gateff, The Drosophila melanogaster tumor suppressor gene lethal(3)malignant brain tumor encodes a proline-rich protein with a novel zinc finger 53, 141

Wobus, A.M., see Strübing, C. 53, 275

Zagouras, P., see Ahmad, I. 53, 73

Zirwes, R., see Wismar, J. 53, 141



Mechanisms of Development 53 (1995) 417-420



## Subject index

Volume 53 (1995)

Anterior-posterior axis; extra sex combs; Polycomb group; Homeotic; Repression; Drosophila 53, 197

Anteroposterior neural pattern; Neural induction; en-2; Xanf-2; HoxB9; Xenopus; Homeodomain; Triple in situ hybridization 53, 403

Axis formation; Danio; β-Catenin; Xgsk-3; wnt 53, 261

bmi-1; Polycomb; Xenopus laevis; Protein-protein interactions 53, 35

**Bone morphogenetic protein**; Fibroblast growth factor; Sonic hedge-hog; Branchial arches; Chick embryo 53, 383

**Boundary formation**; Wnt-1; Otx-2; Swaying mutant; Metmesencephalon 53, 23

Brain; Drosophila; Imaginal discs; Temperature-sensitive; Tumor suppressor gene; Zinc finger 53, 141

**Branchial arches**; Bone morphogenetic protein; Fibroblast growth factor; Sonic hedgehog; Chick embryo 53, 383

Brn-3.0; POU-Domain; Transcription factor; Neuronal differentiation 53, 291

buttonhead; Drosophila; Gap gene; Gene regulation; Head development 53, 235

Caenorhabditis elegans; MAP kinase kinase; Vulval induction; Signal transduction; Dsor-1 53, 15

β-Catenin; Danio; Xgsk-3; wnt; Axis formation 53, 261

cdc2 kinase; *Drosophila*; Spermatogenesis; Meiosis; Temperature sensitivity; Twine/cdc25 phosphatase 53, 247

Cell proliferation control; Clonal restrictions; Vein differentiation 53, 209

Cell-fate determination; Notch; Neurogenesis; Retina 53, 73

Central nervous system; *Drosophila*; Neural precursor; Neuroblast; Ganglion mother cell; Even-skipped; Gooseberry 53, 393

Central nervous system; Homeobox; Hindbrain; HOX11; Locus conservation 53, 345

Chick embryo; Bone morphogenetic protein; Fibroblast growth factor; Sonic hedgehog; Branchial arches 53, 383

Chick embryo; Roof plate; Notochord; Msx genes; Pax genes; Dorsal septum 53, 157

Chicken embryos; Hox genes; Rhombomeres; Transgenic mice; Gene regulation 53, 47

Clonal restrictions; Vein differentiation; Cell proliferation control 53, 209

CNS development; Wnt-1 regulation; Homeodomain control; Emx2; Dlx2 53, 87

Comparative study; Trithorax; Drosophila virilis; Homeotic gene regulation 53, 113

Cytokeratin; Intermediate filaments; Cytoskeletal sheets; Embryogenesis 53, 305

Cytoskeletal sheets; Intermediate filaments; Cytokeratin; Embryogenesis 53, 305

Danio; β-Catenin; Xgsk-3; wnt; Axis formation 53, 261

Developmental regulation; Engrailed; Sequence specific binding 53, 185

Dlx2; Wnt-1 regulation; Homeodomain control; CNS development; Emx2 53, 87

**Dorsal septum**; Roof plate; Notochord; Chick embryo; Msx genes; Pax genes 53, 157

Dosage compensation; Sex determination; Germ cells 53, 223

Drosophila embryonic development; Tail segments; Homeotic genes 53, 3

Drosophila virilis; Trithorax; Comparative study; Homeotic gene regulation 53, 113

*Drosophila*; Brain; Imaginal discs; Temperature-sensitive; Tumor suppressor gene; Zinc finger 53, 141

Drosophila; Central nervous system; Neural precursor; Neuroblast; Ganglion mother cell; Even-skipped; Gooseberry 53, 393

Drosophila; extra sex combs; Polycomb group; Homeotic; Repression; Anterior-posterior axis 53, 197

Drosophila; Gap gene; buttonhead; Gene regulation; Head development 53, 235

Drosophila; Homeotic genes; Transregulation; Trithorax group 53, 123

Drosophila; paired; Ribozyme; Sensory organ; PAX genes 53, 323

*Drosophila*; Protein tyrosine phosphatase; Oogenesis; mRNA localization 53, 171

*Drosophila*; Spermatogenesis; Meiosis; cdc2 kinase; Temperature sensitivity; Twine/cdc25 phosphatase 53, 247

Dsor-1; MAP kinase kinase; Vulval induction; Caenorhabditis elegans;Signal transduction 53, 15

Embryogenesis; Intermediate filaments; Cytoskeletal sheets; Cytokeratin 53, 305

Emx2; Wnt-1 regulation; Homeodomain control; CNS development; Dlx2 53, 87

en-2; Anteroposterior neural pattern; Neural induction; Xanf-2; HoxB9; Xenopus; Homeodomain; Triple in situ hybridization 53, 403

Endothelial cells; Quail-chick chimeras; Fate mapping; QH1/MB1; VEGF receptor 53, 97

**Engrailed**; Sequence specific binding; Developmental regulation 53, 185

Enteric; Ret; Neural tube; Neural crest; Retinoic acid; Somite 53,

Even-skipped; *Drosophila*; Central nervous system; Neural precursor; Neuroblast; Ganglion mother cell; Gooseberry 53, 393

extra sex combs; Polycomb group; Homeotic; Repression; Drosophila; Anterior-posterior axis 53, 197

Fate mapping; Quail-chick chimeras; Endothelial cells; QH1/MB1; VEGF receptor 53, 97

**Fibroblast growth factor**; Bone morphogenetic protein; Sonic hedge-hog; Branchial arches; Chick embryo 53, 383

Ganglion mother cell; *Drosophila*; Central nervous system; Neural precursor; Neuroblast; Even-skipped; Gooseberry 53, 393

Gap gene; Drosophila; buttonhead; Gene regulation; Head development 53, 235

Gastrulation; Placode; Neurogenic gene; Peripheral nervous system; Somite 53, 357

Gene regulation; Drosophila; Gap gene; buttonhead; Head development 53, 235

Gene regulation; Hox genes; Rhombomeres; Transgenic mice; Chicken embryos 53, 47

Germ cells; Dosage compensation; Sex determination 53, 223

Gooseberry; *Drosophila*; Central nervous system; Neural precursor; Neuroblast; Ganglion mother cell; Even-skipped 53, 393

Head development; Drosophila; Gap gene; buttonhead; Gene regulation 53, 235

Hindbrain; Homeobox; HOX11; Locus conservation; Central nervous system 53, 345

Homeobox; Hindbrain; HOX11; Locus conservation; Central nervous system 53, 345

Homeodomain control; Wnt-1 regulation; CNS development; Emx2; Dlx2 53, 87

Homeodomain; Anteroposterior neural pattern; Neural induction; en-2; Xanf-2; HoxB9; Xenopus; Triple in situ hybridization 53, 403

Homeotic gene regulation; *Trithorax*; *Drosophila virilis*; Comparative study 53, 113

Homeotic genes; *Drosophila* embryonic development; Tail segments 53, 3

Homeotic genes; *Drosophila*; Transregulation; Trithorax group 53, 123

Homeotic; extra sex combs; Polycomb group; Repression; Drosophila; Anterior-posterior axis 53, 197

Hox genes; Rhombomeres; Transgenic mice; Chicken embryos; Gene regulation 53, 47

HOX11; Homeobox; Hindbrain; Locus conservation; Central nervous system 53, 345

HoxB9; Anteroposterior neural pattern; Neural induction; en-2; Xanf-2; Xenopus; Homeodomain; Triple in situ hybridization 53, 403

Imaginal discs; Brain; *Drosophila*; Temperature-sensitive; Tumor suppressor gene; Zinc finger 53, 141

**Inhibitory and excitatory synapses**; Mouse embryonic stem cells; Neuronal differentiation; Ion channels 53, 275

Intermediate filaments; Cytoskeletal sheets; Cytokeratin; Embryogenesis 53, 305

Ion channels; Mouse embryonic stem cells; Neuronal differentiation; Inhibitory and excitatory synapses 53, 275

**Locus conservation**; Homeobox; Hindbrain; *HOX11*; Central nervous system 53, 345

MAP kinase kinase; Vulval induction; Caenorhabditis elegans; Signal transduction; Dsor-1 53, 15

Meiosis; Drosophila; Spermatogenesis; cdc2 kinase; Temperature sensitivity; Twine/cdc25 phosphatase 53, 247

Met-mesencephalon; Wnt-1; Otx-2; Swaying mutant; Boundary formation 53, 23

Mouse embryo; Retinoid; Nuclear receptor; Teratogenicity 53, 61

Mouse embryonic stem cells; Neuronal differentiation; Ion channels; Inhibitory and excitatory synapses 53, 275

mRNA localization; *Drosophila*; Protein tyrosine phosphatase; Oogenesis 53, 171

Msx genes; Roof plate; Notochord; Chick embryo; Pax genes; Dorsal septum 53, 157

Neural crest; Ret; Neural tube; Retinoic acid; Enteric; Somite 53, 329

Neural induction; Anteroposterior neural pattern; en-2; Xanf-2; HoxB9; Xenopus; Homeodomain; Triple in situ hybridization 53,

Neural precursor; *Drosophila*; Central nervous system; Neuroblast; Ganglion mother cell; Even-skipped; Gooseberry 53, 393

Neural tube; Ret; Neural crest; Retinoic acid; Enteric; Somite 53, 329

Neuroblast; *Drosophila*; Central nervous system; Neural precursor; Ganglion mother cell; Even-skipped; Gooseberry 53, 393

Neurogenesis; Notch; Cell-fate determination; Retina 53, 73

Neurogenesis; Notch; Somitogenesis; TLE 53, 369

Neurogenic gene; Placode; Peripheral nervous system; Somite; Gastrulation 53, 357

Neuronal differentiation; Brn-3.0; POU-Domain; Transcription factor 53, 291

Neuronal differentiation; Mouse embryonic stem cells; Ion channels; Inhibitory and excitatory synapses 53, 275

Notch; Neurogenesis; Cell-fate determination; Retina 53, 73

Notch; Neurogenesis; Somitogenesis; TLE 53, 369

Notochord; Roof plate; Chick embryo; Msx genes; Pax genes; Dorsal septum 53, 157

Nuclear receptor; Retinoid; Mouse embryo; Teratogenicity 53, 61

Oogenesis; *Drosophila*; Protein tyrosine phosphatase; mRNA localization 53, 171

paired; Drosophila; Ribozyme; Sensory organ; PAX genes 53, 323

PAX genes; Drosophila; paired; Ribozyme; Sensory organ 53, 323

Pax genes; Roof plate; Notochord; Chick embryo; Msx genes; Dorsal septum 53, 157

Peripheral nervous system; Placode; Neurogenic gene; Somite; Gastrulation 53, 357

Placode; Neurogenic gene; Peripheral nervous system; Somite; Gastrulation 53, 357

**Polycomb group**; extra sex combs; Homeotic; Repression; Drosophila; Anterior-posterior axis 53, 197

Polycomb; bmi-1; Xenopus laevis; Protein-protein interactions 53, 35

POU-Domain; Brn-3.0; Transcription factor; Neuronal differentiation 53, 291

Protein-protein interactions; Polycomb; bmi-1; Xenopus laevis 53, 35

Protein tyrosine phosphatase; *Drosophila*; Oogenesis; mRNA localization 53, 171

QH1/MB1; Quail-chick chimeras; Fate mapping; Endothelial cells; VEGF receptor 53, 97

Quail-chick chimeras; Fate mapping; Endothelial cells; QH1/MB1; VEGF receptor 53, 97

Repression; extra sex combs; Polycomb group; Homeotic; Drosophila; Anterior-posterior axis 53, 197

Ret; Neural tube; Neural crest; Retinoic acid; Enteric; Somite 53, 329

Retina; Notch; Neurogenesis; Cell-fate determination 53, 73

Retinoic acid; Ret; Neural tube; Neural crest; Enteric; Somite 53, 329

Retinoid; Nuclear receptor; Mouse embryo; Teratogenicity 53, 61

**Rhombomeres**; *Hox* genes; Transgenic mice; Chicken embryos; Gene regulation 53, 47

Ribozyme; Drosophila; paired; Sensory organ; PAX genes 53, 323

Roof plate; Notochord; Chick embryo; Msx genes; Pax genes; Dorsal septum 53, 157

Sensory organ; Drosophila; paired; Ribozyme; PAX genes 53, 323

Sequence specific binding; Engrailed; Developmental regulation 53, 185

Sex determination; Dosage compensation; Germ cells 53, 223

Signal transduction; MAP kinase kinase; Vulval induction; Caenorhabditis elegans; Dsor-1 53, 15

Somite; Placode; Neurogenic gene; Peripheral nervous system; Gastrulation 53, 357

Somite; Ret; Neural tube; Neural crest; Retinoic acid; Enteric 53, 329

Somitogenesis; Neurogenesis; Notch; TLE 53, 369

Sonic hedgehog; Bone morphogenetic protein; Fibroblast growth factor; Branchial arches; Chick embryo 53, 383

**Spermatogenesis**; *Drosophila*; Meiosis; cdc2 kinase; Temperature sensitivity; Twine/cdc25 phosphatase 53, 247

Swaying mutant; Wnt-1; Otx-2; Met-mesencephalon; Boundary formation 53, 23

Tail segments; Drosophila embryonic development; Homeotic genes 53, 3

**Temperature sensitivity**; *Drosophila*; Spermatogenesis; Meiosis; cdc2 kinase; Twine/cdc25 phosphatase 53, 247

Temperature-sensitive; Brain; *Drosophila*; Imaginal discs; Tumor suppressor gene; Zinc finger 53, 141

Teratogenicity; Retinoid; Nuclear receptor; Mouse embryo 53, 61

TLE; Neurogenesis; Notch; Somitogenesis 53, 369

Transcription factor; Brn-3.0; POU-Domain; Neuronal differentiation 53, 291

**Transgenic mice**; *Hox* genes; Rhombomeres; Chicken embryos; Gene regulation 53, 47

**Transregulation**; *Drosophila*; Homeotic genes; Trithorax group 53, 123

**Triple in situ hybridization**; Anteroposterior neural pattern; Neural induction; *en-2*; *Xanf-2*; *HoxB9*; *Xenopus*; Homeodomain 53, 403

Trithorax group; *Drosophila*; Homeotic genes; Transregulation 53, 123

Trithorax; Drosophila virilis; Comparative study; Homeotic gene regulation 53, 113

Tumor suppressor gene; Brain; *Drosophila*; Imaginal discs; Temperature-sensitive; Zinc finger 53, 141

Twine/cdc25 phosphatase; *Drosophila*; Spermatogenesis; Meiosis; cdc2 kinase; Temperature sensitivity 53, 247

VEGF receptor; Quail-chick chimeras; Fate mapping; Endothelial cells; QH1/MB1 53, 97

Vein differentiation; Clonal restrictions; Cell proliferation control 53, 209

Vulval induction; MAP kinase kinase; Caenorhabditis elegans; Signal transduction; Dsor-1 53, 15

Wnt-1 regulation; Homeodomain control; CNS development; Emx2; Dlx2 53, 87

Wnt-1; Otx-2; Swaying mutant; Met-mesencephalon; Boundary formation 53, 23

wnt; Danio; β-Catenin; Xgsk-3; Axis formation 53, 261

Xanf-2; Anteroposterior neural pattern; Neural induction; en-2; HoxB9; Xenopus; Homeodomain; Triple in situ hybridization 53, 403

Xenopus laevis; Polycomb; bmi-1; Protein-protein interactions 53, 35

Xenopus; Anteroposterior neural pattern; Neural induction; en-2; Xanf-2; HoxB9; Homeodomain; Triple in situ hybridization 53, 403

Xgsk-3; Danio; β-Catenin; wnt; Axis formation 53, 261

Zinc finger; Brain; *Drosophila*; Imaginal discs; Temperature-sensitive; Tumor suppressor gene 53, 141